



## Key Features

- 8 Gigabit ports with IEEE802.3af/at PoE support
- 2 Gigabit uplink ports + 2 SFP slots
- Internal Power Supply with 130w PoE Budget
- PoE Management
- IGMP/MLD Snooping
- IEEE802.3ad Link Aggregation
- STP/RSTP/MSTP
- Access Control List/ Port Security
- IEEE802.1x and RADIUS Authentication
- RMON / SNMP v1/v2c/v3

# 8-Port Gigabit PoE+ L2 Managed Switch with 2 Gigabit Ports and 2 Dual-Speed SFP

EnGenius Layer 2 Managed PoE+ Switch Series: cost-effective, simple-to-use business quality networking solutions for small-to-medium businesses

The EGS5212FP is a full-featured Gigabit Ethernet switch with comprehensive Layer 2 switching capabilities and PoE+ support. It provides 8 Gigabit ports that supports IEEE802.3af/at PoE+, 2 Gigabit uplink ports and 2 SFP slots for expanding your network flexibility. With rich layer 2 management features, the EGS5212FP allows quick deployment, simplified maintenance as well as seamless upgrades, making it the ideal networking solution for businesses looking for the best combination of features, performance and value.

### IEEE 802.3af/at-compliant Power over Ethernet Support

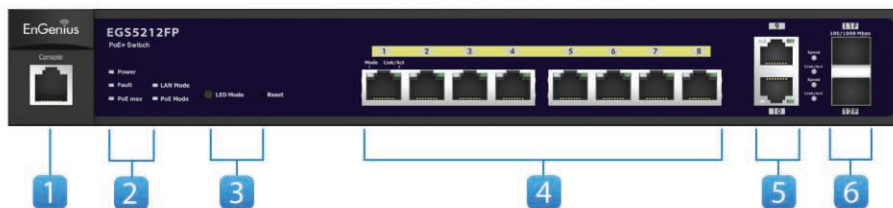
EGS5212FP provides 8 Gigabit ports that supports 802.3af/at-compliant PoE, with a total PoE power budget of 130W, allocating 15.4W PoE output for all 8 ports simultaneously or 30W on 4 ports, powerful and flexible enough for deploying high-powered PoE devices such as PTZ cameras, 11ac Wireless Access Points and Video/VoIP phones.

### Advanced Management and Security Features

Besides supporting VLAN, QoS, bandwidth control, IGMP/MLD Snooping features for priority based application, such as IP surveillance or video/voice transitions, EGS5212FP also support a complete lineup of advanced layer 2 features including Port Mirroring, STP/RSTP/MSTP, Link Aggregation Control Protocol (LACP), SNMP v1/v2c/v3, RMON, Access Control List for easy network security and much more.

## Physical Interface

1. RJ45 Console Port
2. LED Indicators
3. Mode Selector & Reset button
4. PoE RJ45 Ethernet Ports
5. RJ45 Ethernet Ports
6. Dual-Speed SFP Slots



## Technical Specifications

### General Features

Switching Capacity: 24Gbps  
 Forwarding Mode: Store and Forward  
 SDRAM: 256MB  
 Flash Memory: 32MB

### Port Functions

- 10 10/100/1000Mbps Ports
- 2 100/1000Mbps SFP Slots
- 1 RJ45 Console Port

### PoE Capability

PoE Standard: supports IEEE 802.3af/at  
 PoE Capable Ports: Port 1~8 output up to 30W  
 Total PoE Power Budget: 130Watts

### LED Indicators

Device:  
 Power LED, Fault LED, PoE Max LED,  
 LAN Mode LED, PoE Mode LED  
 Copper Ports: LAN/PoE Mode, Link/Act  
 SFP Ports: Speed, Link/Act

### Physical & Environment

Dimension (W x D x H):  
 330 x 230 x 44mm (13 x 9 x 1.73 inches)  
 Weight: 1.996kg (4.4lbs)  
 Operating Temperature: 0 ~ 50°C (32 ~ 132°F)  
 Storage Temperature: -40 ~ 70°C (-40 ~ 158°F)  
 Humidity: 5 ~ 95% non-condensing  
 MTBF (hrs) : 215,439

### L2 Features

IEEE802.3ad Link Aggregation  
 Port Mirroring  
 Spanning Tree Protocol  
 802.1D Spanning Tree (STP)  
 802.1w Rapid Spanning Tree (RSTP)  
 802.1s Multiple Spanning Tree (MSTP)

IGMP Snooping v1/v2/v3

IGMP Fast Leave

MLD Snooping

VLAN Group

Voice VLAN

Queue

CoS based on 802.1p priority

CoS based on physical port

CoS based on TOS

CoS based on DSCP

IEEE802.1X Port-based Access Control

IEEE802.1X Guest VLAN

Port Security

Storm Control

Port Isolation

Attack Prevention

Access Control List (ACL)

PoE Management

Power on/off per port

Power class configuration

Power feeding with priority

User define power limit

SSH Server

Telnet Server

TFTP Client

BootP/DHCP Client

SNMP v1/v2c/v3 support

TFTP Upgrade

Command Line Interface (CLI)

SNTP

RMONv1

SYSLOG

Cable Diagnostic

MIB Support

RFC1213

RFC1493

RFC1757

RFC2674

## Application Diagram

